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#### RFA-HL-15-026: HHS STTR RFA-HL-15-026

Release Date: 12-03-2014Open Date: 01-09-2015Due Date: 11-09-2015Close Date: 11-09-2015

Background Twenty-five years after discovery of the gene that causes cystic fibrosis (CF), we now are witnessing the emergence of drug therapies that target the fundamental molecular dysfunctions associated with mutations in the CF transmembrane conductance regulator (CFTR) gene. While these novel therapies offer an exciting prospect for modifying disease outcomes in CF, they may complicate even ...

STTR Department of Health and Human Services

#### 2. RFA-HL-14-010: HHS SBIR RFA-HL-14-010

Release Date: 07-08-2013Open Date: 09-23-2013Due Date: 10-23-2015Close Date: 10-23-2015

The objective of this Funding Opportunity Announcement (FOA) is to support the development of a point of care (POC) device for the diagnosis of sickle cell disease (SCD) including HbSS, HbSC, HbS/ßthal0 in infants and young children in low-income and low-resource settings. The genetic disorders of hemoglobin are the most common monogenic diseases. Approximately 5% of the world's popu ...

SBIR Department of Health and Human Services

# **3.** CDC/NCIRD 032: Thermostable Dry Powder Live Attenuated Influenza Vaccine for Nasal Delivery

Release Date: 07-24-2015Open Date: 07-24-2015Due Date: 10-16-2015Close Date: 10-16-2015

Background Ongoing disease and death associated with seasonal influenza and the threat of an influenza pandemic are two of the highest priority issues for global public health. Vaccination is a powerful tool for preventing influenza, however, current vaccines have several limitations. Inactivated influenza vaccines (IIV) given by needle injection require skilled health care workers and can lead to ...

SBIR Department of Health and Human Services

# **4.** NIH/NCI 341: Development of Metabolomics Data Integration Methods and Software

Release Date: 07-24-2015Open Date: 07-24-2015Due Date: 10-16-2015Close Date: 10-16-2015

Metabolomics is the study of small molecules participating in cellular metabolism. Advances in metabolic profiling technologies have made it possible to simultaneously assay hundreds of metabolites, providing insight into an organism's metabolic status.

SBIR Department of Health and Human Services

#### 5. NIH/NCI 342: Validation of Mobile Technologies for Clinical Assessment.

#### Published on SBIR.gov (https://www.sbir.gov)

#### **Monitoring & Intervention**

Release Date: 07-24-2015Open Date: 07-24-2015Due Date: 10-16-2015Close Date: 10-16-2015

Mobile health technologies have grown exponentially in the past few years. The ubiquity of mobile phone use provides a platform for health assessment, monitoring and interventions previously unavailable to health research and clinical practice.

SBIR Department of Health and Human Services

### **6.** NIH/NCI 343: An Electronic Platform for Cognitive Assessment in Cancer Patients

Release Date: 07-24-2015Open Date: 07-24-2015Due Date: 10-16-2015Close Date: 10-16-2015

Persistent cognitive deficits are a frequent complaint of the increasing population of cancer survivors, particularly those who have undergone chemotherapy.

SBIR Department of Health and Human Services

### 7. NIH/NCI 344: Technologies for Differential Isolation of Exosomes and Oncosomes

Release Date: 07-24-2015Open Date: 07-24-2015Due Date: 10-16-2015Close Date: 10-16-2015

Both normal and cancer tissues shed exosomes and other vesicles into body fluids. Tissueshed exosomes are found in several body fluids including amniotic fluid, breast milk, bronchoalveolar fluid, cerebrospinal fluid, malignant ascites, plasma, saliva and urine.

SBIR Department of Health and Human Services

## **8.** NIH/NCI 345: Predictive Biomarkers of Adverse Reactions to Radiation Treatment

Release Date: 07-24-2015Open Date: 07-24-2015Due Date: 10-16-2015Close Date: 10-16-2015

Radiotherapy is an important definitive and palliative treatment modality for millions of patients with cancer and is used alone or in combination with drug therapy. However, a variety of patient, tumor, and treatment-related factors will influence its outcome

SBIR Department of Health and Human Services

#### 9. NIH/NCI 346: Molecularly Targeted Radiation Therapy for Cancer Treatment

Release Date: 07-24-2015Open Date: 07-24-2015Due Date: 10-16-2015Close Date: 10-16-2015

Targeted radionuclide therapy (TRT) enables personalized cancer treatment by combining

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the therapeutic effect of radiation therapy with the targeting capability of molecular therapies.

SBIR Department of Health and Human Services

#### **10.** NIH/NCI 347: Signal Amplification to Enable Attomolar Quantitation in Slide-Based or ELISA Biomarker Immunoassays

Release Date: 07-24-2015Open Date: 07-24-2015Due Date: 10-16-2015Close Date: 10-16-2015

Accurate detection of specific markers is crucial for the diagnosis of malignant disease, monitoring drug therapy and patient screening.

SBIR Department of Health and Human Services

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